

Abstract

The present invention relates to polymer with water-soluble units and LCST units, and which is obtainable by a reaction between reactive sites, firstly of the water-soluble units bearing, before reaction, at least two reactive sites, and secondly of the LCST units bearing, before reaction, at least one reactive site, to form a covalent bond therebetween, the LCST units consisting of N-vinylcaprolactam homopolymers or of copolymers derived therefrom, the proportion by weight of the LCST units in the polymer ranging from 5 % to 70 %, and where the polymer is a block polymer with water-soluble blocks alternating with LCST blocks, or is a graft polymer whose backbone is formed from water-soluble units and bears LCST grafts, the polymer optionally being crosslinked.